

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Karin et al. Art Unit: Unassigned
Parent Serial No.: 10/051,989 Examiner: Unassigned
Parent Filing Date: January 16, 2002
Serial No.: Unassigned
Filed: August 25, 2003
Title: ONCOPROTEIN PROTEIN KINASE

Mail Stop PATENT APPLICATION

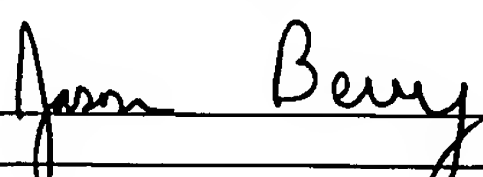
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 § CFR 1.97, Applicants bring to the Examiner's attention the related parent patent application, U.S. Serial No. 10/051,989, filed January 16, 2002, which is relied upon for an earlier filing date under 35 USC § 120. For the convenience of the Examiner, copies of the PTO Forms 892 and 1449 are enclosed.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

CERTIFICATION UNDER 37 CFR §1.10 "EXPRESS MAIL" Mailing Label Number: EV 318 739 869 US Date of Deposit: August 25, 2003	
I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
JASON BERRY (Name of Person Mailing Paper)	
(Signature) 	August 25, 2003 (Date)

In re Application of:
Karin et al.
Application No.: Unassigned
Filed: August 25, 2003
Page 2

PATENT
Attorney Docket No.: REGEN1120-15

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement, because it is being filed prior to the receipt of a first office action on the merits of the above-captioned application. However, if any fee is required, authorization is hereby given to charge any fees associated with the filings submitted herewith, or credit any overpayment to Deposit Account No. 50-1355. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: August 25, 2003



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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. REGEN1120-13	Serial No.: 10/051,989
	Applicants: Karin et al.	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: January 16, 2002	Group Art Unit: 1652

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>CA</i>	AA	5,534,426	07/09/1996	Karin et al.	475	184	
<i>CA</i>	AB	5,593,884	01/14/1997	Karin et al.	475	2523	
	AC	5,605,808	02/25/1997	Karin et al.	475	15	
	AD	5,804,399	09/08/1998	Karin et al.	475	15	
	AE	5,837,244	11/17/1998	Karin et al.	424	139.1	
	AF	5,994,513	11/30/1999	Karin and Lin	530	387.9	
	AG	6,001,584	12/14/1999	Karin et al.	475	15	
	AH	6,193,965 B1	02/27/2001	Karin et al.	424	136	
<i>CA</i>	AI	6,342,595 B1	01/29/2002	Karin et al.	536	2305	

FOREIGN PATENT DOCUMENTS


EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)
<i>CA</i>	AJ	0 599 077 A2	06/01/1994	EP	—	—	
<i>CA</i>	AK	685484	02/20/1995	AU	—	—	
<i>CA</i>	AL	2925740	05/07/1999	JP	—	—	No
<i>CA</i>	AM	2986548	10/01/1999	JP	—	—	No

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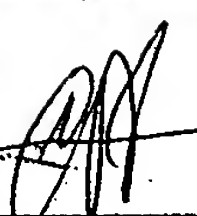
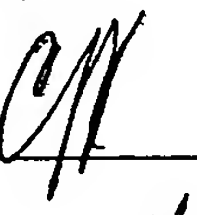
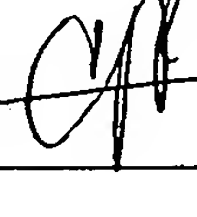

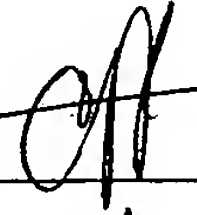
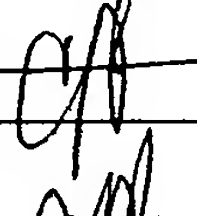
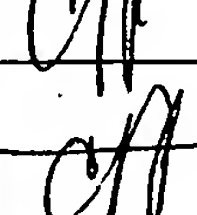
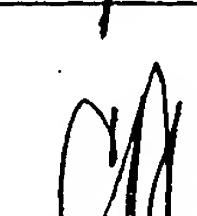
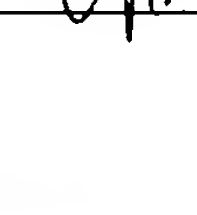
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Form 1449


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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office 	Docket No.	Serial N.:
	REGEN1120-13	10/051,989
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicants: Karin et al.	
	Filing Date: January 16, 2002	Group Art Unit: 1652

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

	AN	Adler et al., "Affinity-Purified c-Jun Amino-Terminal Protein Kinase Requires Serine/Threonine Phosphorylation for Activity," <i>The Journal of Biological Chemistry</i> , Vol. 267, No. 24, August 25, 1992, pgs. 17001-17005.
	AO	Adler et al., "Phorbol Esters Stimulate the Phosphorylation of c-Jun But Not v-Jun Regulation By the N-Terminal δ Domain," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 89, 1992, pgs. 5341-5345.
	AP	Allegretto et al., "DNA-Binding Activity of Jun is Increased Through Its Interaction With Fos, <i>Journal of Cellular Biochemistry</i> , Vol. 42, 1990, pgs. 193-206.
	AQ	Anderson et al., "Requirement for Integration of Signals from Two Distinct Phosphorylation Pathways for Activation of MAP Kinase," <i>Nature</i> , Vol. 343, 1990, pgs. 651-653.
	AR	Bohmann et al., "Human Proto-Oncogene c-jun Encodes a DNA Binding Protein with Structural and Functional Properties of Transcription Factor AP-1," <i>Science</i> , Vol. 238, December 4, 1987, pgs. 1386-1392.
	AS	Boulton et al., "ERKs: A Family of Protein-Serine/Threonine Kinases that are Activated and Tyrosine Phosphorylated in Response to Insulin and NGF," <i>Cell</i> , Vol. 65, 1991, pgs. 663-675.
	AT	Boulton et al., "An Insulin-Stimulated Protein Kinase Similar to Yeast Kinases Involved in Cell Cycle Control," <i>Science</i> , Vol. 249, 1990, pgs. 64-67.
	AU	Cano and Mahadevan, "Parallel Signal Processing Among Mammalian MAPKs," <i>TIBS</i> , Vol. 20, 1995, pgs. 117-122.
	AV	Derijard et al., "JNK1: A Protein Kinase Stimulated by UV Light and Ha-Ras that Binds and Phosphorylates the c-Jun Activation Domain," <i>Cell</i> , Vol. 76, 1994, pgs. 1-20.
	AW	Hattori et al., "Structure and Chromosomal Localization of the Functional Intronless Human JUN Protooncogene," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85, December 1988, pgs. 9148-9152.

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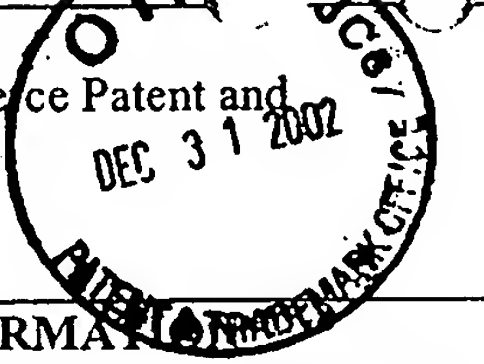
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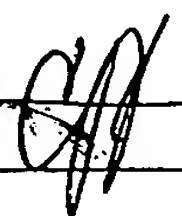
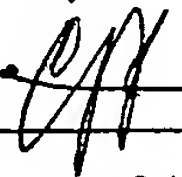
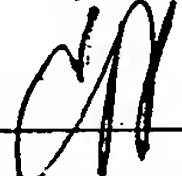
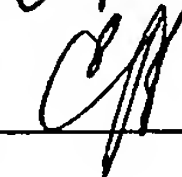
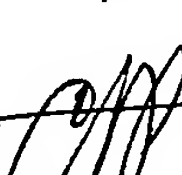
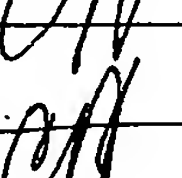
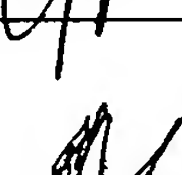
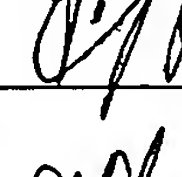
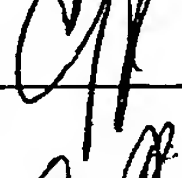

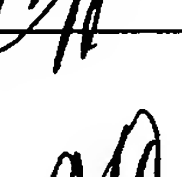
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Form 1449

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office 	Docket No.	Serial No.:
	REGEN1120-13	10/051,989
SUPPLEMENTAL INFORMATION AND DISCLOSURE STATEMENT BY APPLICANT	Applicants: Karin et al.	
	Filing Date: January 16, 2002	Group Art Unit: 1652

	AX	Hibi et al., "Identification of an Oncoprotein and UV-Responsive Protein Kinase that Binds and Potentiates the c-Jun Activation Domain," <i>Genes and Development</i> , Vol. 7, 1993, pgs. 2135-2148.
	AY	Kyriakiss et al., "pp 54 Microtubule-Associated Protein 2 Kinase," <i>The Journal of Biological Chemistry</i> , Vol. 265, No. 28, 1990, pgs. 17355-17363.
	AZ	Lamph et al., "Induction of Proto-Oncogene JUN/AP-1 by Serum and TPA," <i>Nature</i> , Vol. 334, August 18, 1988, pgs. 629-631.
	BA	Lee et al., "Generation of cDNA Probes Directed by Amino Acid Sequence: Cloning of Urate Oxidase," <i>Science</i> , Vol. 239, March 11, 1988, pgs. 1288-1291
	BB	Minden et al., "c-Jun N-Terminal Phosphorylation Correlates with Activation of the JNK Subgroup but Not the ERK Subgroup of Mitogen-Activated Protein Kinases," <i>Molecular and Cellular Biology</i> , Vol. 14, No. 10, 1994, pgs. 6683-6688.
	BC	Pulverer et al., "Phosphorylation of c-Jun Mediated by MAP Kinases," <i>Nature</i> , Vol. 353, 1991, pgs. 670-674.
	BD	Pulverer et al., "Co-Purification of Mitogen-Activated Protein Kinases with Phorbol Ester-Induced c-Jun Kinase Activity in U937 Leukaemic Cells," <i>Oncogene</i> , Vol. 8, 1993, pgs. 407-415.
	BE	Ryder and Nathans, "Induction of Protooncogene c-jun by Serum Growth Factors," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85, November 1988, pgs. 8464-8467.
	BF	Ryseck et al., "Transcriptional Activation of c-jun During the G ₀ /G ₁ Transition in Mouse Fibroblasts," <i>Nature</i> , Vol. 334, August 11, 1988, pgs. 535-537.
	BG	Segal, <i>Biochemical Calculations</i> , 1976, John Wiley & Sons, Inc., pg. 246.
	BH	Suggs et al., "Use of Synthetic Oligonucleotides as Hybridization Probes: Isolation of Cloned cDNA Sequences for Human β_2 -Microglobulin," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 78, No. 11, November 1981, pgs. 6613-6617.

EXAMINER 	DATE CONSIDERED 3/7/02
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT:
Michael Karin et al.FILING DATE
9/8/98

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
ABL					

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

AC	Derijard, B., et al., <u>JNK1: A Protein Kinase Stimulated by UV Light and Ha-Ras That Binds and Phosphorylates the c-Jun Activation Domain</u> , <i>Cell</i> , Vol. 76, 1-20, March 25, 1994, pp. 1-11.
AD	Cano, E., et al., <u>Parallel signal processing among mammalian MAPKs</u> , <i>Elsevier Science Ltd.</i> , (1995), 117-122
AE	Hibi, M., et al., <u>Identification of an oncoprotein and UV-responsive protein kinase that binds and potentiates the c-Jun activation domain</u> , <i>Genes and Development</i> 7:2135-2148 (1993)
AF	Minden, A., et al., <u>c-Jun N-Terminal Phosphorylation Correlates with Activation of the JNK Subgroup but Not the ERK Subgroup of Mitogen-Activated Protein Kinases</u> , <i>Molecular and Cellular Biology</i> , Oct. 1994, 14 (10), 6683-6688
AG	Adler et al., <u>Phorbol esters stimulate the phosphorylation of c-Jun but not v-Jun: Regulation by the N-terminal δ domain</u> , <i>Proc. Natl. Acad. Sci. USA.</i> , Vol. 89, pp.5341-5345, June 1992, Biochemistry
AH	Boulton, et al., <u>ERKs: A Family of Protein-Serine/Threonine Kinases That Are Activated and Tyrosine Phosphorylated in Response to Insulin and NGF</u> , <i>Cell</i> , Vol. 65, pp. 663-675, May 17, 1991
AI	Boulton, T.G., et al., <u>An insulin-Stimulated Protein Kinase Similar to Yeast Kinases Involved in Cell Cycle Control</u> , <i>Science</i> , Vol. 249, July 6, 1990, pp. 64-67
AJ	Anderson et al., <u>Requirement for integration of signals from two distinct phosphorylation pathways for activation of MAP kinase</u> , <i>Nature</i> , Vol. 343, February 15, 1990, pp. 651-653
AK	Pulverer et al., <u>Phosphorylation of c-jun mediated by MAP kinases</u> , <i>Nature</i> , Vo. 353, October 17, 1991, pp. 670-674
AL	Kyriakis et al., pp54, <u>Microtubule-associated Protein 2 Kinase</u> , <i>The Journal of Biological Chemistry</i> , Vol. 265, No. 28, October, pp. 17355-17363

EXAMINER

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INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT
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APPLICANT:
 Michael Karin et al.

FILING DATE
 9/8/98

GROUP
 1652

7 CFR 1.98(b))

U.S. PATENT DOCUMENTS

AMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

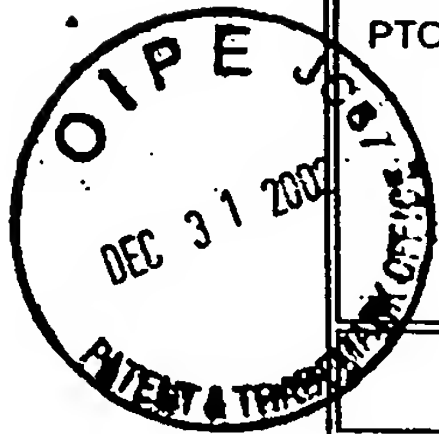
DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
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AC	Derijard, B., et al., JNK1: A Protein Kinase Stimulated by UV Light and Ha-Ras That Binds and Phosphorylates the c-Jun Activation Domain, <i>Cell</i> , Vol. 76, 1-20, March 25, 1994, pp. 1-11.
AD	Cano, E., et al., Parallel signal processing among mammalian MAPKs, <i>Elsevier Science Ltd.</i> , (1995), 117-122
AE	Hibi, M., et al., Identification of an oncoprotein-and UV-responsive protein kinase that binds and potentiates the c-Jun activation domain, <i>Genes and Development</i> 7:2135-2148 (1993)
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AG	Adler et al., Phorbol esters stimulate the phosphorylation of c-Jun but not v-Jun: Regulation by the N-terminal 6 domain, <i>Proc. Natl. Acad. Sci. USA.</i> , Vol. 89, pp.5341-5345, June 1992, Biochemistry
AH	Boulton, et al., ERKs: A Family of Protein-Serine/Threonine Kinases That Are Activated and Tyrosine Phosphorylated in Response to Insulin and NGF, <i>Cell</i> , Vol. 65, pp. 663-675, May 17, 1991
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AJ	Anderson et al., Requirement for integration of signals from two distinct phosphorylation pathways for activation of MAP kinase, <i>Nature</i> , Vol. 343, February 15, 1990, pp. 651-653
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AL	Kyriakis et al., pp54, Microtubule-associated Protein 2 Kinase, <i>The Journal of Biological Chemistry</i> , Vol. 265, No. 28, October, pp. 17355-17363

AMINER	DATE CONSIDERED 9/27/02
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PTO 892 DEAFCE 1994		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NUMBER 09/461,649	Art Unit 1652	Attachment to Paper Number 11		
NOTICE OF REFERENCES CITED				APPLICANT(S) : Karin, et al.				
U.S. PATENT DOCUMENTS								
*		DOCUMENT NUMBER	DATE	NAME(S)	CLASS	SUBCLASS	FILING DATE	
FOREIGN PATENT DOCUMENTS								
*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS	PERTINENT DRW SPEC
*		OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
	A	Ryder, K., et al. (1988) Proc. Natl. Acad. Sci, USA 85, 8464-8467.						
	B	Lamph, W.W., et al. (1988) Nature 334, 629-631.						
	C	Hattori, K. et al. (1988) Proc. Natl. Acad. Sci, USA 85, 9148-9152.						
	D	Ryseck, R.P., et al. (1988) Nature 334, 535-537.						
		12/7/02 1449						
EXAMINER Charles L. Patterson, Jr.		DATE 10/23/00		* A COPY OF THIS REFERENCE IS NOT BEING FURNISHED WITH THIS OFFICE ACTION. (SEE MPEP SECTION 707.05(a). PAGE 1 OF 1				